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Datasheet for ABIN3042785  
**anti-CYP1B1 antibody (AA 255-480)**

4 Images

Overview

Quantity:	100 µg
Target:	CYP1B1
Binding Specificity:	AA 255-480
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Cytochrome P450 1B1(CYP1B1) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	E.coli-derived human CYP1B1 recombinant protein (Position: R255-L480). Human CYP1B1 shares 85.4% and 84.5% amino acid (aa) sequence identity with mouse and rat CYP1B1, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Cytochrome P450 1B1(CYP1B1) detection. Tested with WB, IHC-P in Human,Mouse,Rat.  Gene Name: cytochrome P450, family 1, subfamily B, polypeptide 1 Protein Name: Cytochrome P450 1B1
Purification:	Immunogen affinity purified.

## Target Details

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Target:	CYP1B1
Alternative Name:	CYP1B1 ( <a href="#">CYP1B1 Products</a> )
Background:	<p>Cytochrome P450 1B1 is an enzyme that in humans is encoded by the CYP1B1 gene. CYP1B1 belongs to the the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. The enzyme encoded by this gene localizes to the endoplasmic reticulum and metabolizes procarcinogens such as polycyclic aromatic hydrocarbons and 17beta-estradiol. Mutations in this gene have been associated with primary congenital glaucoma, therefore it is thought that the enzyme also metabolizes a signaling molecule involved in eye development, possibly a steroid.</p> <p>Synonyms: Aryl hydrocarbon hydroxylase antibody CP1B antibody CP1B1_HUMAN antibody Cyp1b1 antibody  CYP1B1 antibody Cytochrome P450 1B1 antibody Cytochrome P450 family 1 subfamily B polypeptide 1 antibody Cytochrome P450 subfamily I (dioxin inducible) polypeptide 1 (glaucoma 3 primary infantile) antibody Flavoprotein linked monooxygenase antibody  GLC3A antibody Microsomal monooxygenase antibody P4501B1 antibody Xenobiotic monooxygenase antibody</p>
Gene ID:	1545
UniProt:	<a href="#">Q16678</a>
Pathways:	<a href="#">Steroid Hormone Biosynthesis</a>

## Application Details

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Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

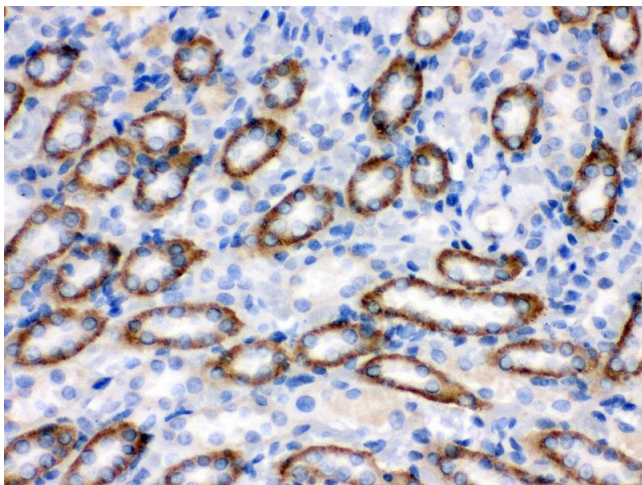
## Handling

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Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

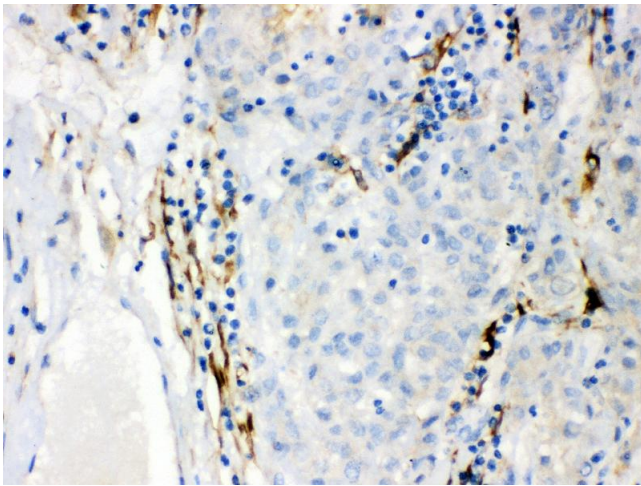
## Images

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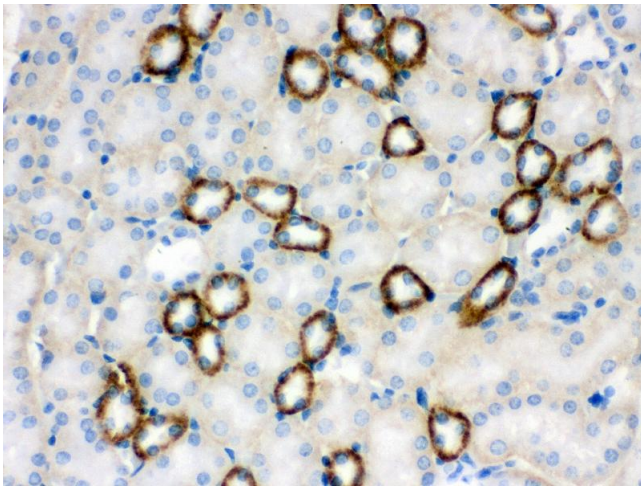
### Immunohistochemistry

**Image 1.** Anti- CYP1B1 Picoband antibody,IHC(P) IHC(P):  
Rat Kidney Tissue



#### Immunohistochemistry

**Image 2.** Anti- CYP1B1 Picoband antibody,IHC(P) IHC(P):  
Human Liver Cancer Tissue



#### Immunohistochemistry

**Image 3.** Anti- CYP1B1 Picoband antibody,IHC(P) IHC(P):  
Mouse Kidney Tissue

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3042785.